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1.0 PRICE SCHEDULE

CLIN	Description	Unit	Price Per Unit	
CLIN 001 ¹	Delivery and Removal, Liquid Hydrogen Trailer	Trailer	TBD	
CLIN 002 ²	Demurrage, Daily	Day	TBD	
CLIN 003 ³	Demurrage, Hourly	Hour	TBD	

¹ CLIN 001 is priced per trailer. The rate is fully burdened and includes all costs associated with the delivery and removal of one fully filled Liquid Hydrogen Trailer to and from the specified delivery location, at Kennedy Space Center (KSC). Each Liquid Hydrogen trailer shall have a minimum capacity of 6,000 lbs. All Liquid Hydrogen (LH2) provided in CLIN 001 shall include a laboratory analysis for each shipment made under this contract. The analysis results shall be attached to a DD Form 250, or equivalent commercial document. All costs associated with this analysis is included in the CLIN 001 rate above. The LH2 trailers must comply with applicable DOT regulations.

2.0 PERIOD OF PERFORMANCE

BASE Period: 10/01/15 – 09/30/16 Option 1: 10/01/16 – 09/30/17

3.0 STATEMENT OF WORK

The Launch Equipment Test Facility (LETF) at KSC requires LH2 per CGA G-5.3-2011, "Commodity Specification for Hydrogen", Type II, Quality Verification Level (QVL) A, for testing in support of NASA's Space Launch System (SLS) Program. The specific testing will be conducted to assess and certify components within the LH2 umbilical system.

Testing will require use of vendor supplied LH2 trailer(s) which will interface directly with the test facility and supply LH2 for the duration of test. The interface connection shall be an Air Force Bayonet. Testing may require up to two trailers at one time and is estimated to last one or two days for each test period; however, additional days may be required. Once the interface hoses are connected and trailer valves configured, the test facility will be configured for remote operation for all pressurization and venting of vendor supplied trailers. Pressurization of the LH2 trailers shall be accomplished using NASA provided gaseous helium. All operational, technical and safety requirements will be included in test procedures which are currently in development; these procedures will be shared with the contractor in advance of test date to ensure test facility and contractor equipment are compatible.

² CLIN 002 is priced per day (24 hour period). The rate is fully burdened and includes all costs associated with storing each Liquid Hydrogen Trailer, at KSC, and allowing the Government to utilize the Liquid Hydrogen Trailer for testing. The daily demurrage rate begins when the Liquid Hydrogen trailer is delivered to the specified delivery location, at the scheduled delivery time. The daily demurrage rate ends when the Government releases the Liquid Hydrogen trailer (via email) for the contractor to pick up.

³ CLIN 003 is priced per hour. The rate is fully burdened and includes all costs associated with storing each Liquid Hydrogen Trailer, at KSC, and allowing the Government to utilize the Liquid Hydrogen Trailer for testing. The hourly demurrage rate begins when the Liquid Hydrogen trailer is delivered to the specified delivery location, at the scheduled delivery time. The hourly demurrage rate ends when the Government releases the Liquid Hydrogen trailer (via email) for the contractor to pick up.

^{*} Each task under this contract that requires demurrage (as defined above) shall be billed utilizing the lowest priced combination of CLIN 002 and CLIN 003.

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4.0 TERMS AND CONDITIONS

4.1 FAR 52.217-9 - Option to Extend the Term of the Contract. (MAR 2000)

(a) The Government may extend the term of this contract by written notice to the Contractor within 15 days; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 30 days before the contract expires. The preliminary notice does not commit the Government to an extension.

- (b) If the Government exercises this option, the extended contract shall be considered to include this option clause.
- (c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed two (2) years.

(End of Clause)

4.2 NFS 1852.215-84 Ombudsman. (NOV 2011)

- (a) An ombudsman has been appointed to hear and facilitate the resolution of concerns from offerors, potential offerors, and contractors during the preaward and postaward phases of this acquisition. When requested, the ombudsman will maintain strict confidentiality as to the source of the concern. The existence of the ombudsman is not to diminish the authority of the contracting officer, the Source Evaluation Board, or the selection official. Further, the ombudsman does not participate in the evaluation of proposals, the source selection process, or the adjudication of formal contract disputes. Therefore, before consulting with an ombudsman, interested parties must first address their concerns, issues, disagreements, and/or recommendations to the contracting officer for resolution.
- (b) If resolution cannot be made by the contracting officer, interested parties may contact the installation ombudsman, whose name, address, telephone number, facsimile number, and email address may be found at: http://prod.nais.nasa.gov/pub/pub_library/Omb.html. Concerns, issues, disagreements, and recommendations which cannot be resolved at the installation may be referred to the Agency ombudsman identified at the above URL. Please do not contact the ombudsman to request copies of the solicitation, verify offer due date, or clarify technical requirements. Such inquiries shall be directed to the Contracting Officer or as specified elsewhere in this document.

(End of clause)

4.3 NFS 1852.225-70 Export Licenses. (FEB 2000)

- (a) The Contractor shall comply with all U.S. export control laws and regulations, including the International Traffic in Arms Regulations (ITAR), 22 CFR Parts 120 through 130, and the Export Administration Regulations (EAR), 15 CFR Parts 730 through 799, in the performance of this contract. In the absence of available license exemptions/exceptions, the Contractor shall be responsible for obtaining the appropriate licenses or other approvals, if required, for exports of hardware, technical data, and software, or for the provision of technical assistance.
- (b) The Contractor shall be responsible for obtaining export licenses, if required, before utilizing foreign persons in the performance of this contract, including instances where the work is to be performed on-site at KSC, where the foreign person will have access to export-controlled technical data or software.
- (c) The Contractor shall be responsible for all regulatory record keeping requirements associated with the use of licenses and license exemptions/exceptions.
- (d) The Contractor shall be responsible for ensuring that the provisions of this clause apply to its subcontractors.

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(End of clause)

4.4 FAR 52.212-5 Contract Terms and Conditions Required To Implement Statutes or Executive Orders - Commercial Items. (MAY 2015)

- (a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clauses, which are incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items:
 - (1) 52.209-10, Prohibition on Contracting with Inverted Domestic Corporations (DEC 2014)
 - (2) 52.233-3, Protest After Award (AUG 1996) (31 U.S.C. 3553).
 - (3) 52.233-4, Applicable Law for Breach of Contract Claim (OCT 2004) (Public Laws 108-77 and 108-78 (19 U.S.C. 3805 note)).
- (b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items: (Contracting Officer check as appropriate.)
 - [x] (1) 52.203-6, Restrictions on Subcontractor Sales to the Government (SEP 2006), with Alternate I (OCT 1995) (41 U.S.C. 4704 and 10 U.S.C. 2402).
 - [] (2) 52.203-13, Contractor Code of Business Ethics and Conduct (APR 2010) (41 U.S.C. 3509).
 - [] (3) 52.203-15, Whistleblower Protections under the American Recovery and Reinvestment Act of 2009 (JUN 2010) (Section 1553 of Pub. L. 111-5). (Applies to contracts funded by the American Recovery and Reinvestment Act of 2009.)
 - [x] (4) 52.204-10, Reporting Executive Compensation and First-Tier Subcontract Awards (JUL 2013) (Pub. L. 109-282) (31 U.S.C. 6101 note).
 - (5) (Reserved)
 - [] (6) 52.204-14, Service Contract Reporting Requirements (JAN 2014) (Pub. L. 111-117, section 743 of Div. C).
 - [] (7) 52.204-15, Service Contract Reporting Requirements for Indefinite-Delivery Contracts (JAN 2014) (Pub. L. 111-117, section 743 of Div. C).
 - [x] (8) 52.209-6, Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment. (AUG 2013) (31 U.S.C. 6101 note).
 - [] (9) 52.209-9, Updates of Publicly Available Information Regarding Responsibility Matters (JUL 2013) (41 U.S.C. 2313).
 - [] (10) (Reserved)
 - [] (11)(i) 52.219-3, Notice of HUBZone Set-Aside or Sole-Source Award (NOV 2011) (15 U.S.C. 657a).
 - [] (ii) Alternate I (NOV 2011) of 52.219-3.
 - [] (12)(i) 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns (OCT 2014) (if the offeror elects to waive the preference, it shall so indicate in its offer) (15

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- U.S.C. 657a).
- [] (ii) Alternate I (JAN 2011) of 52.219-4.
- [] (13) (Reserved)
- [] (14)(i) 52.219-6, Notice of Total Small Business Set-Aside (NOV 2011) (15 U.S.C. 644).
 - [] (ii) Alternate I (NOV 2011).
 - [] (iii) Alternate II (NOV 2011).
- [] (15)(i) 52.219-7, Notice of Partial Small Business Set-Aside (JUN 2003) (15 U.S.C. 644).
 - [] (ii) Alternate I (OCT 1995) of 52.219-7.
 - [] (iii) Alternate II (MAR 2004) of 52.219-7.
- [x] (16) 52.219-8, Utilization of Small Business Concerns (OCT 2014) (15 U.S.C. 637(d)(2) and (3)).
- [] (17)(i) 52.219-9, Small Business Subcontracting Plan (OCT 2014) (15 U.S.C. 637(d)(4)).
 - [] (ii) Alternate I (OCT 2001) of 52.219-9.
 - [] (iii) Alternate II (OCT 2001) of 52.219-9.
- [] (18) 52.219-13, Notice of Set-Aside of Orders (NOV 2011) (15 U.S.C. 644(r)).
- [] (19) 52.219-14, Limitations on Subcontracting (NOV 2011) (15 U.S.C. 637(a)(14)).
- $[]\ (20)\ 52.219\text{-}16,$ Liquidated Damages-Subcontracting Plan (JAN 1999) (15 U.S.C. 637(d)(4)(F)(i)).
- [] (21) 52.219-27, Notice of Service-Disabled Veteran-Owned Small Business Set-Aside (NOV 2011) (15 U.S.C. 657f).
- [x] (22) 52.219-28, Post Award Small Business Program Representation (JUL 2013) (15 U.S.C. 632(a)(2)).
- [] (23) 52.219-29, Notice of Set-Aside for Economically Disadvantaged Women-Owned Small Business (EDWOSB) Concerns (JUL 2013) (15 U.S.C. 637(m)).
- [] (24) 52.219-30, Notice of Set-Aside for Women-Owned Small Business (WOSB) Concerns Eligible Under the WOSB Program (JUL 2013) (15 U.S.C. 637(m)).
- [x] (25) 52.222-3, Convict Labor (JUN 2003) (E.O. 11755).
- [x] (26) 52.222-19, Child Labor-Cooperation with Authorities and Remedies (JAN 2014) (E.O. 13126).
- [x] (27) 52.222-21, Prohibition of Segregated Facilities (APR 2015).
- [x] (28) 52.222-26, Equal Opportunity (APR 2015) (E.O. 11246).
- [x] (29) 52.222-35, Equal Opportunity for Veterans (JUL 2014) (38 U.S.C. 4212).

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- [x] (30) 52.222-36, Equal Opportunity for Workers with Disabilities (JUL 2014) (29 U.S.C. 793).
- [x] (31) 52.222-37, Employment Reports on Veterans (JUL 2014) (38 U.S.C. 4212).
- [] (32) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (DEC 2010) (E.O. 13496).
- [x] (33)(i) 52.222-50, Combating Trafficking in Persons (MAR 2015) (22 U.S.C. chapter 78 and E.O. 13627).
 - [] (ii) Alternate I (MAR 2015) of 52.222-50 (22 U.S.C. chapter 78 and E.O. 13627).
- [] (34) 52.222-54, Employment Eligibility Verification (AUG 2013). (Executive Order 12989).
- [] (35)(i) 52.223-9, Estimate of Percentage of Recovered Material Content for EPA-Designated Items (MAY 2008) (42 U.S.C. 6962(c)(3)(A)(ii)).
 - [] (ii) Alternate I (MAY 2008) of 52.223-9 (42 U.S.C. 6962(i)(2)(C)).
- [] (36)(i) 52.223-13, Acquisition of EPEAT®-Registered Imaging Equipment (JUN 2014) (E.O.s 13423 and 13514).
 - [] (ii) Alternate I (JUN 2014) of 52.223-13.
- [] (37)(i) 52.223-14, Acquisition of EPEAT®-Registered Televisions (JUN 2014) (E.O.s 13423 and 13514).
 - (ii) Alternate I (JUN 2014) of 52.223-14.
- $[]\ (38)\ 52.223\text{-}15,$ Energy Efficiency in Energy-Consuming Products (DEC 2007) (42 U.S.C. 8259b).
- [] (39)(i) 52.223-16, Acquisition of EPEAT®-Registered Personal Computer Products (JUN 2014) (E.O.s 13423 and 13514).
 - $\hbox{\cite[](ii) Alternate I (JUN 2014) of } 52.223\text{-}16.$
- [x] (40) 52.223-18, Encouraging Contractor Policies to Ban Text Messaging While Driving (AUG 2011)
- [] (41) 52.225-1, Buy American-Supplies (MAY 2014) (41 U.S.C. chapter 83).
- [] (42)(i) 52.225-3, Buy American-Free Trade Agreements-Israeli Trade Act (MAY 2014) (41 U.S.C. chapter 83, 19 U.S.C. 3301 note, 19 U.S.C. 2112 note, 19 U.S.C. 3805 note, 19 U.S.C. 4001 note, Pub. L. 103-182, 108-77, 108-78, 108-286, 108-302, 109-53, 109-169, 109-283, 110-138, 112-41, 112-42, and 112-43.
 - [] (ii) Alternate I (MAY 2014) of 52.225-3.
 - [] (iii) Alternate II (MAY 2014) of 52.225-3.
 - [] (iv) Alternate III (MAY 2014) of 52.225-3.
- [x] (43) 52.225-5, Trade Agreements (NOV 2013) (19 U.S.C. 2501, et seq., 19 U.S.C. 3301 note).

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[x] (44) 52.225-13, Restrictions on Certain Foreign Purchases (JUN 2008) (E.O.'s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

- [] (45) 52.225-26, Contractors Performing Private Security Functions Outside the United States (JUL 2013) (Section 862, as amended, of the National Defense Authorization Act for Fiscal Year 2008; 10 U.S.C. 2302 Note).
- [] (46) 52.226-4, Notice of Disaster or Emergency Area Set-Aside (NOV 2007) (42 U.S.C. 5150).
- [] (47) 52.226-5, Restrictions on Subcontracting Outside Disaster or Emergency Area (NOV 2007) (42 U.S.C. 5150).
- [] (48) 52.232-29, Terms for Financing of Purchases of Commercial Items (FEB 2002) (41 U.S.C. 4505, 10 U.S.C. 2307(f)).
- [] (49) 52.232-30, Installment Payments for Commercial Items (OCT 1995) (41 U.S.C. 4505, 10 U.S.C. 2307(f)).
- [x] (50) 52.232-33, Payment by Electronic Funds Transfer-System for Award Management (JUL 2013) (31 U.S.C. 3332).
- $[]\ (51)\ 52.232\text{-}34,$ Payment by Electronic Funds Transfer Other than System for Award Management (JUL 2013) (31 U.S.C. 3332).
- [] (52) 52.232-36, Payment by Third Party (MAY 2014) (31 U.S.C. 3332).
- [] (53) 52.239-1, Privacy or Security Safeguards (AUG 1996) (5 U.S.C. 552a).
- [] (54)(i) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (FEB 2006) (46 U.S.C. Appx. 1241(b) and 10 U.S.C. 2631).
 - [] (ii) Alternate I (APR 2003) of 52.247-64.
- (c) The Contractor shall comply with the FAR clauses in this paragraph (c), applicable to commercial services, that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items: (Contracting Officer check as appropriate.)
 - [] (1) 52.222-17, Nondisplacement of Qualified Workers (MAY 2014) (E.O. 13495).
 - [] (2) 52.222-41, Service Contract Labor Standards (MAY 2014) (41 U.S.C. chapter 67).
 - [] (3) 52.222-42, Statement of Equivalent Rates for Federal Hires (MAY 2014) (29 U.S.C. 206 and 41 U.S.C. chapter 67).
 - [] (4) 52.222-43, Fair Labor Standards Act and Service Contract Labor Standards-Price Adjustment (Multiple Year and Option Contracts) (MAY 2014) (29 U.S.C. 206 and 41 U.S.C. chapter 67).
 - [] (5) 52.222-44, Fair Labor Standards Act and Service Contract Labor Standards-Price Adjustment (MAY 2014) (29 U.S.C 206 and 41 U.S.C. chapter 67).
 - [] (6) 52.222-51, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment-Requirements (MAY 2014) (41 U.S.C. chapter 67).

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- [] (7) 52.222-53, Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services-Requirements (MAY 2014) (41 U.S.C. chapter 67).
- [] (8) 52.222-55, Minimum Wages Under Executive Order 13658 (Dec 2014) (E.O. 13658).
- [] (9) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations (MAY 2014) (42 U.S.C. 1792).
- [] (10) 52.237-11, Accepting and Dispensing of \$1 Coin (SEP 2008) (31 U.S.C. 5112(p)(1)).
- (d) Comptroller General Examination of Record. The Contractor shall comply with the provisions of this paragraph (d) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records Negotiation.
 - (1) The Comptroller General of the United States, or an authorized representative of the Comptroller General, shall have access to and right to examine any of the Contractor's directly pertinent records involving transactions related to this contract.
 - (2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes clause or to litigation or the settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.
 - (3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law.
- (e)(1) Notwithstanding the requirements of the clauses in paragraphs (a), (b), (c), and (d) of this clause, the Contractor is not required to flow down any FAR clause, other than those in this paragraph (e)(1) of this paragraph in a subcontract for commercial items. Unless otherwise indicated below, the extent of the flow down shall be as required by the clause-
 - (i) 52.203-13, Contractor Code of Business Ethics and Conduct (APR 2010) (41 U.S.C. 3509).
 - (ii) 52.219-8, Utilization of Small Business Concerns (OCT 2014) (15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$650,000 (\$1.5 million for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.
 - (iii) 52.222-17, Nondisplacement of Qualified Workers (MAY 2014) (E.O. 13495). Flow down required in accordance with paragraph (l) of FAR clause 52.222-17.
 - (iv) 52.222-21, Prohibition of Segregated Facilities (APR 2015).
 - (v) 52.222-26, Equal Opportunity (APR 2015) (E.O. 11246).
 - (vi) 52.222-35, Equal Opportunity for Veterans (JUL 2014) (38 U.S.C. 4212).

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(vii) 52.222-36, Equal Opportunity for Workers with Disabilities (JUL 2014) (29 U.S.C. 793).

- (viii) 52.222-37, Employment Reports on Veterans (JUL 2014) (38 U.S.C. 4212).
- (ix) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (DEC 2010) (E.O. 13496). Flow down required in accordance with paragraph (f) of FAR clause 52.222-40.
- (x) 52.222-41, Service Contract Labor Standards (MAY 2014) (41 U.S.C. chapter 67).
- (xi) __ (A) 52.222-50, Combating Trafficking in Persons (MAR 2015) (22 U.S.C. chapter 78 and E.O. 13627).
 - __ (B) Alternate I (MAR 2015) of 52.222-50 (22 U.S.C. chapter 78 and E.O. 13627).
 - Alternate I (AUG 2007) of 52.222-50 (22 U.S.C. 7104(g)).
- (xii) 52.222-51, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment-Requirements (MAY 2014) (41 U.S.C. chapter 67).
- (xiii) 52.222-53, Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services-Requirements (MAY 2014) (41 U.S.C. chapter 67).
- (xiv) 52.222-54, Employment Eligibility Verification (AUG 2013).
- (xv) 52.222-55, Minimum Wages Under Executive Order 13658 (DEC 2014) (E.O. 13658).
- (xvi) 52.225-26, Contractors Performing Private Security Functions Outside the United States (JUL 2013) (Section 862, as amended, of the National Defense Authorization Act for Fiscal Year 2008; 10 U.S.C. 2302 Note).
- (xvii) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations (MAY 2014) (42 U.S.C. 1792). Flow down required in accordance with paragraph (e) of FAR clause 52.226-6.
- (xviii) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (FEB 2006) (46 U.S.C. Appx. 1241(b) and 10 U.S.C. 2631). Flow down required in accordance with paragraph (d) of FAR clause 52.247-64.
- (2) While not required, the contractor May include in its subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

(End of clause)

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5.0 Proposal Instructions

The offeror shall provide the following information with their proposal:

- Company Name:
- Street Address:
- Cage Code:
- DUNS Number:
- Business Size:

The offeror shall complete *Table 5.1*, utilizing fully burdened rates, in accordance with Section 1.0, Price Schedule. These proposed rates will be incorporated into the contract under Section 1.0, Price Schedule.

For evaluation purposes only, a total price shall be calculated by multiplying each unit price, under each CLIN, with its corresponding best estimated quantity (BEQ). The total price of each CLIN will be added together for a total evaluation price. One award will be made to the offeror with the lowest total evaluation price, technically acceptable, proposal.

Table 5.1

CLIN	Description	Unit	Price Per Unit	BEQ	Total Price	
CLIN 001 ¹	Delivery and Removal, Liquid Hydrogen Trailer	Trailer		16		
CLIN 002 ²	Demurrage, Daily	Day		18		
CLIN 003 ³	Demurrage, Hourly	Hour		20		
Total Evaluation Driggs						

Total Evaluation Price:

The offeror shall provide a breakdown of the fully burdened proposed rates which shall include at a minimum cost elements such as product cost, mileage, labor (drivers), etc.

(End of provision)